

081448.024 9548

Yukinori Matsumoto

THREE-DIMENSIONAL MODELING

APPARATUS, METHOD, AND MEDIUM

Sheet 1 of 17

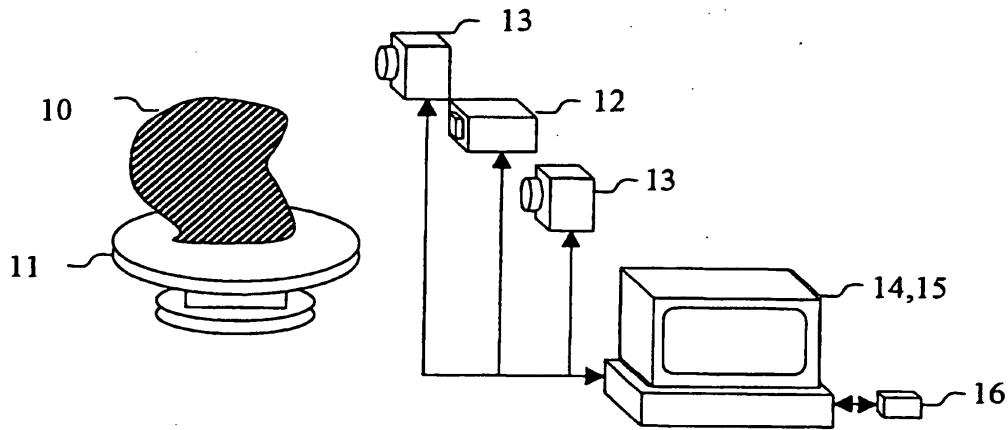


Fig. 1

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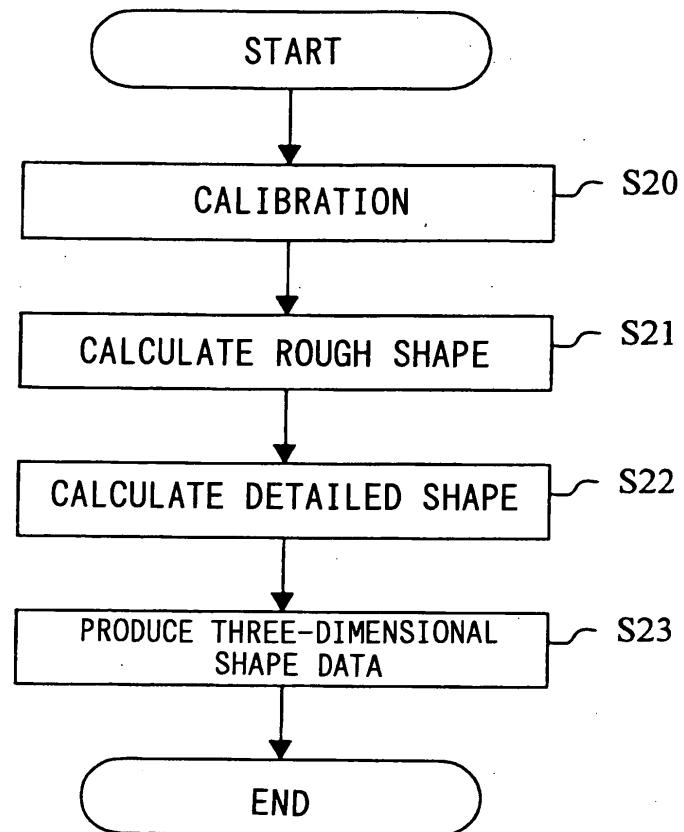


Fig. 2

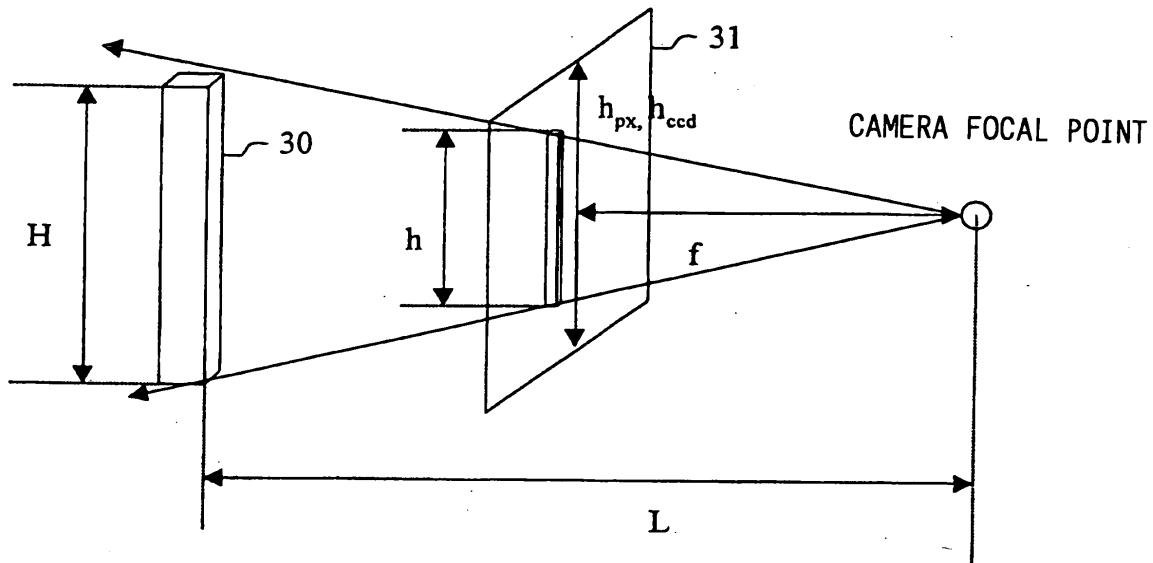


Fig. 3

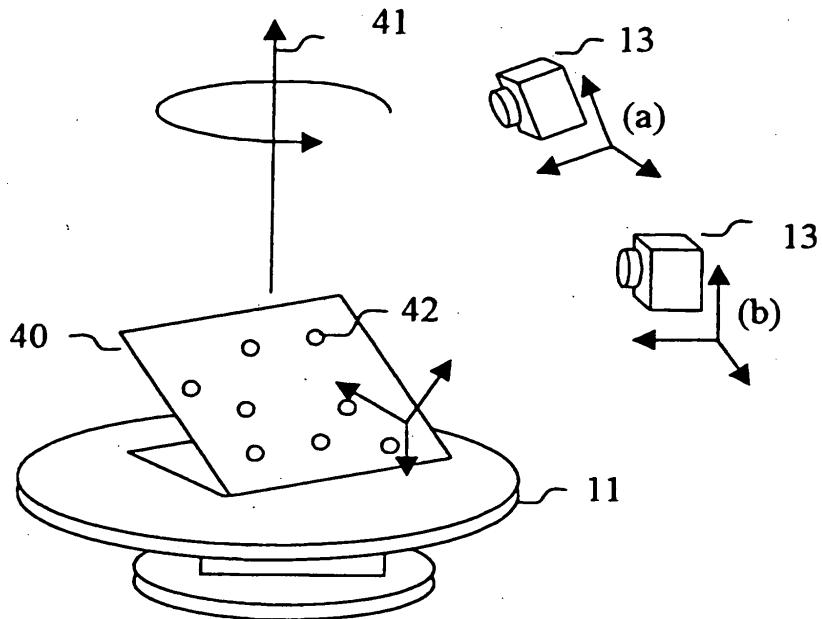


Fig. 4

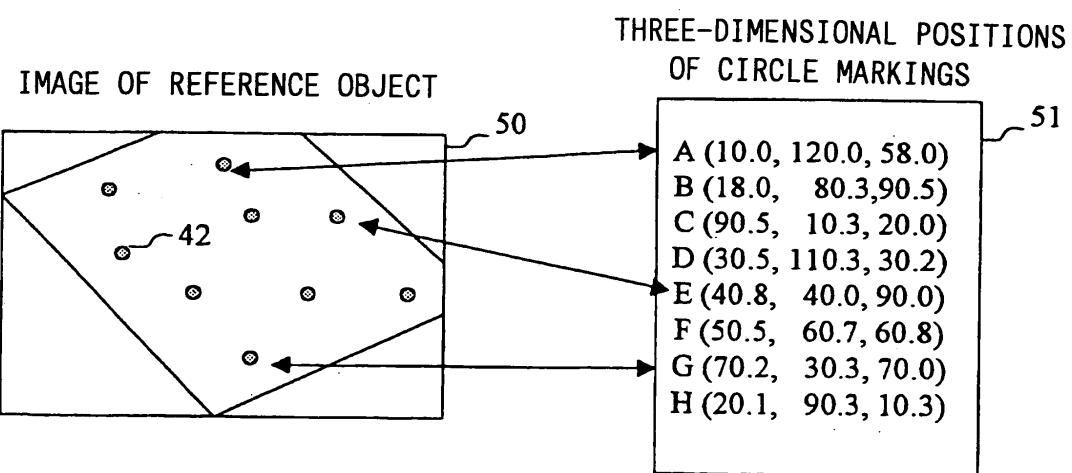


Fig. 5

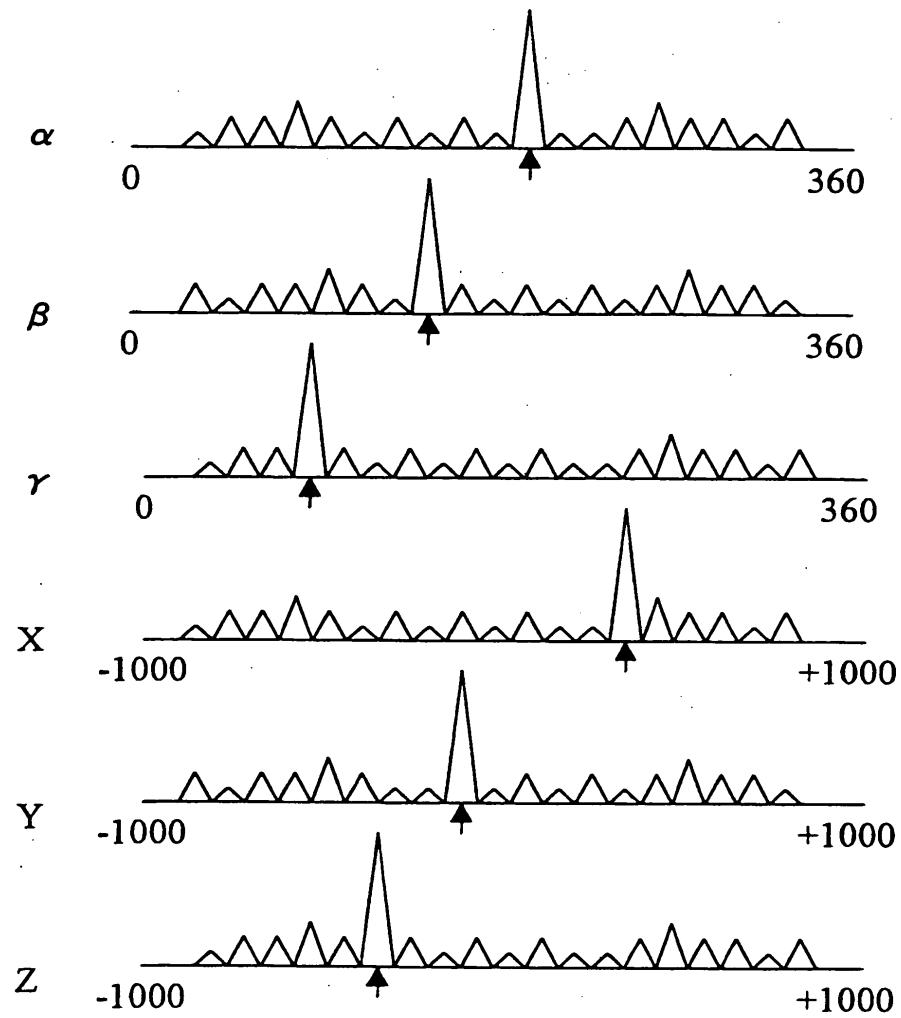


Fig. 6

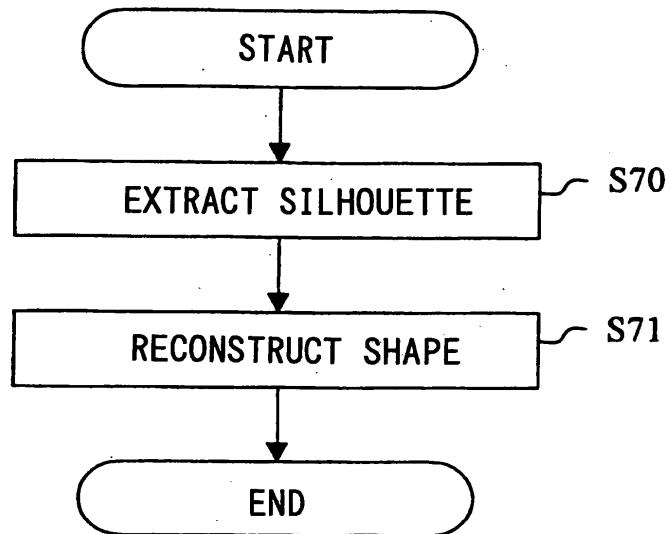


Fig. 7

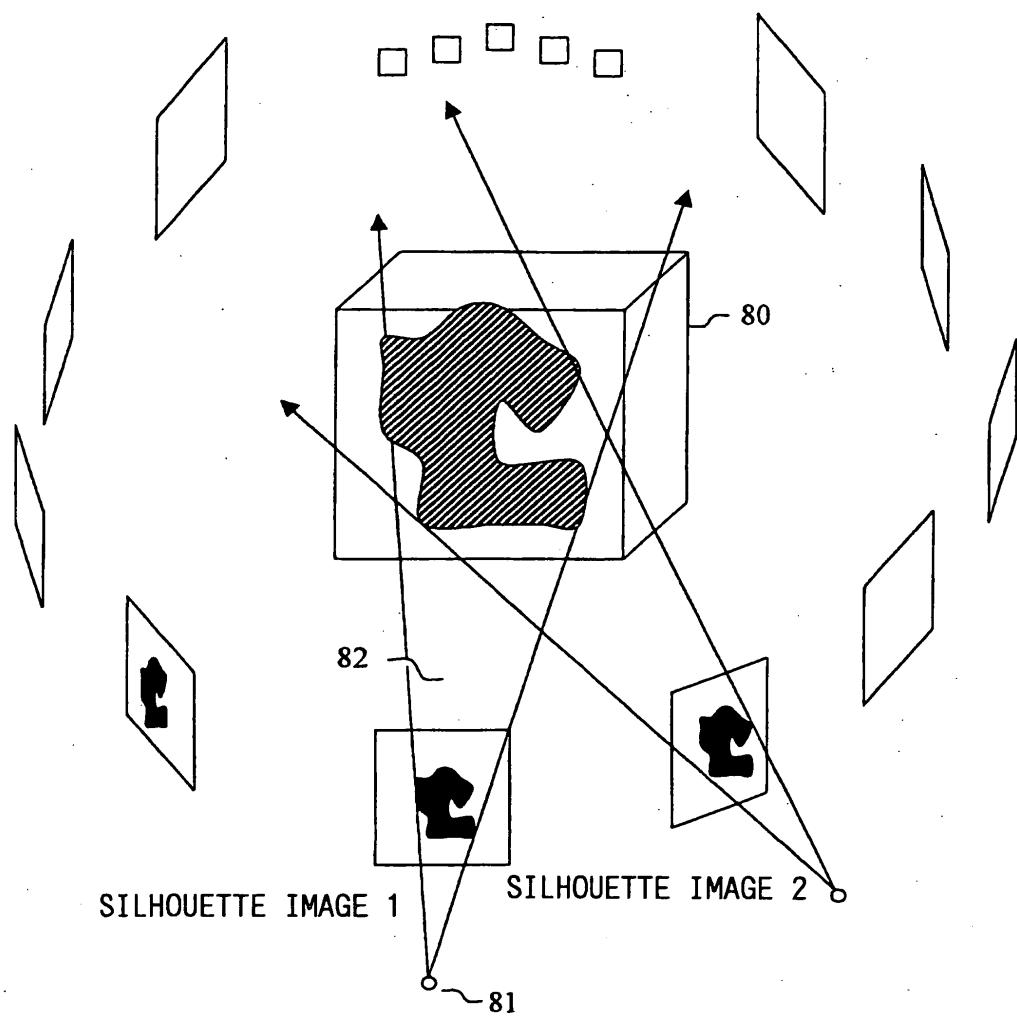


Fig. 8

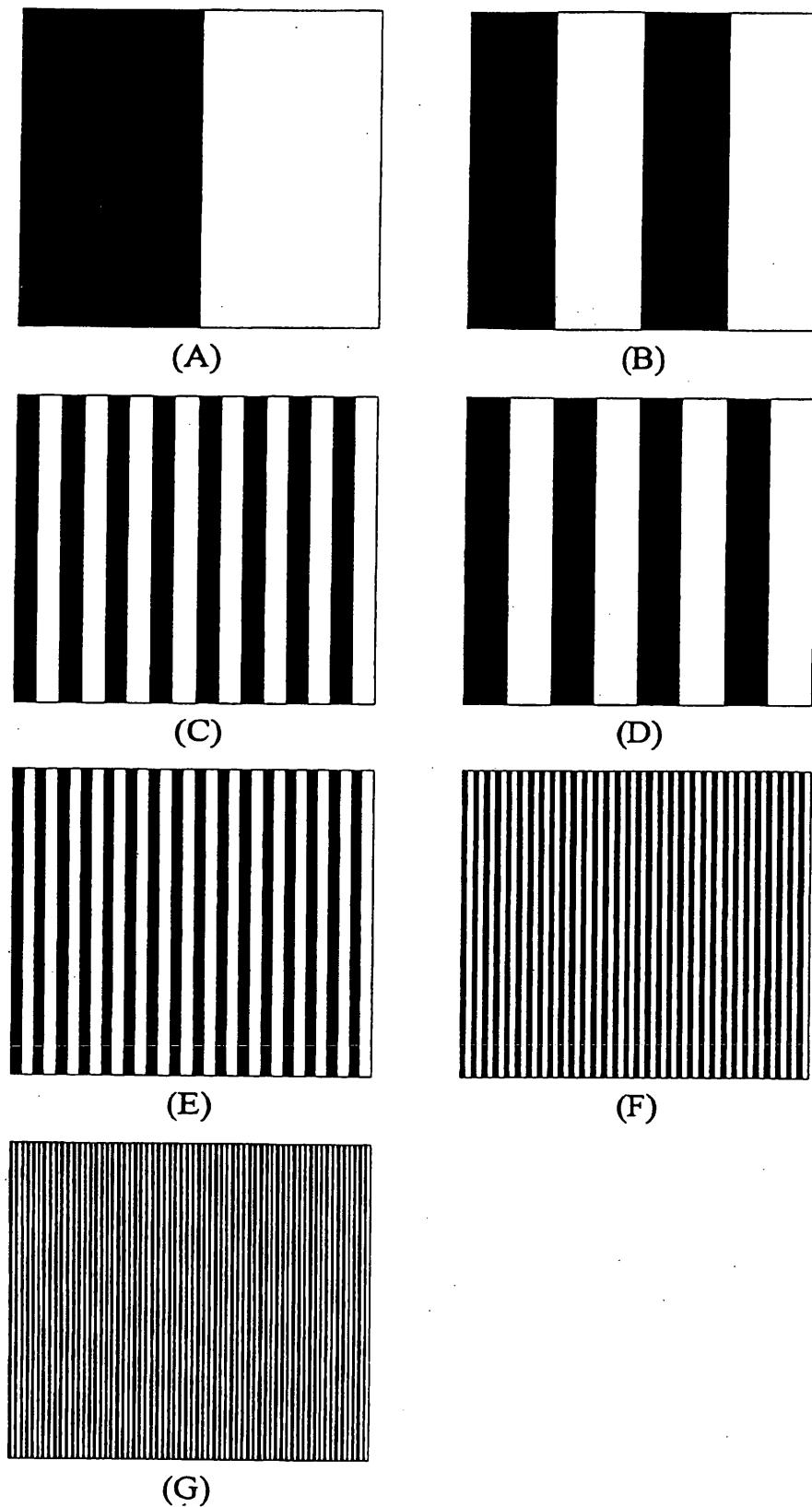
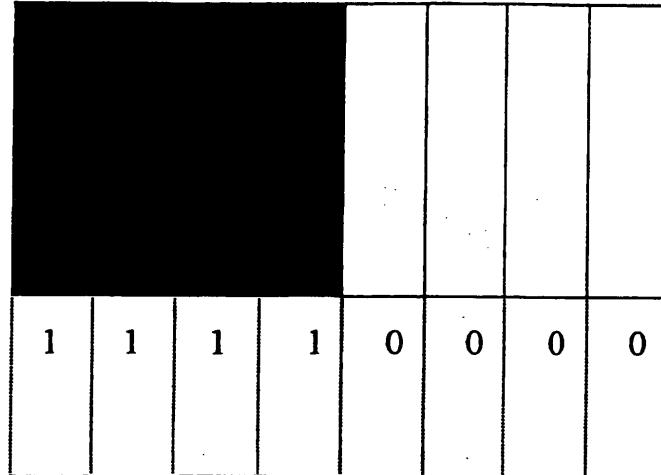
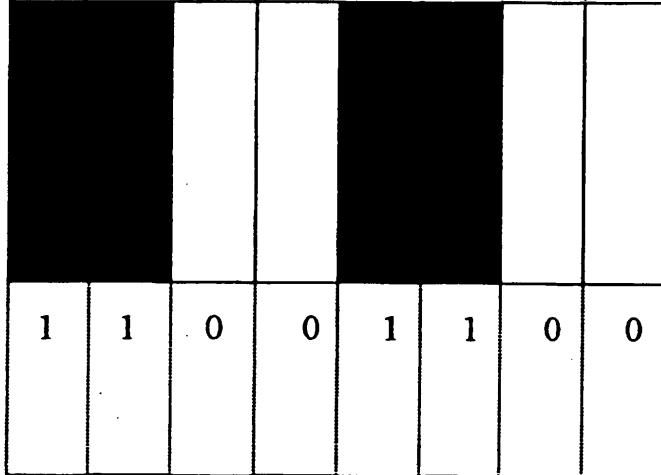
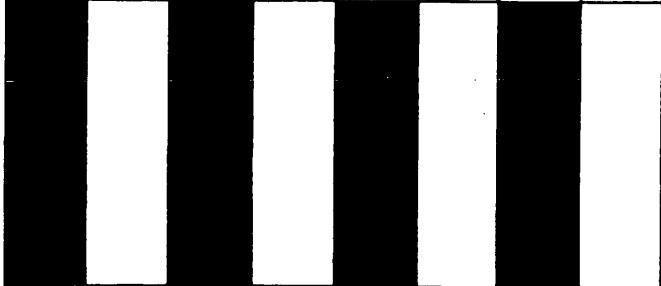


Fig. 9

PATTERN A
(MSB)

PATTERN B

PATTERN C
(LSB)

1 0 1 0 1 0 1 0

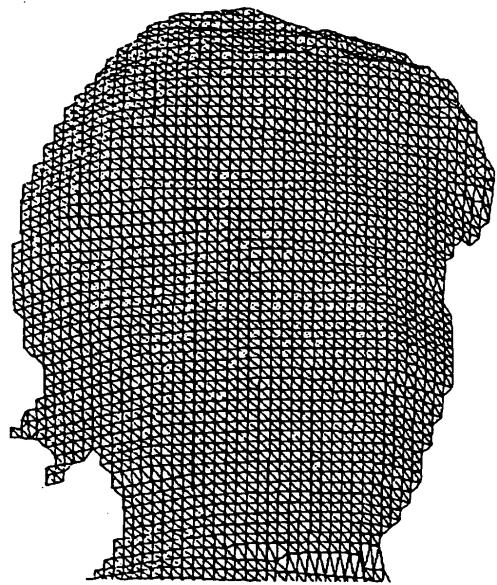
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓

SPACE CODE
(DECIMAL
REPRESENTATION)

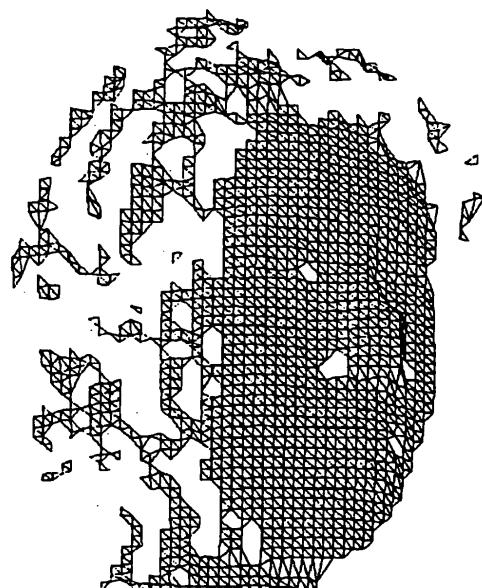
7 6 5 4 3 2 1 0

Fig. 10

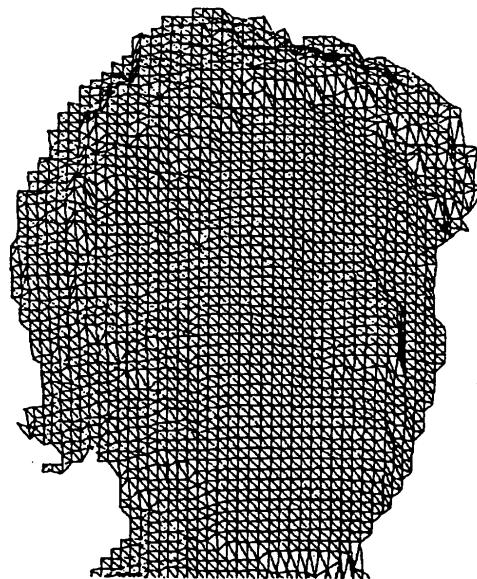
卷之三



ROUGH DEPTH MAP



DETAILED DEPTH MAP



FINAL DEPTH MAP

Fig. 11

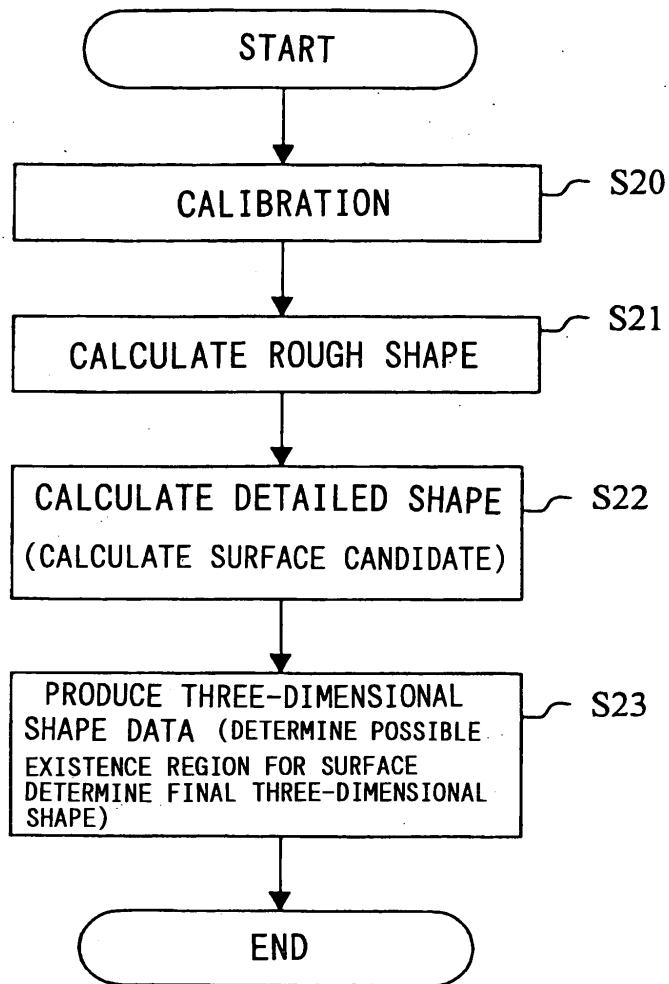


Fig. 12

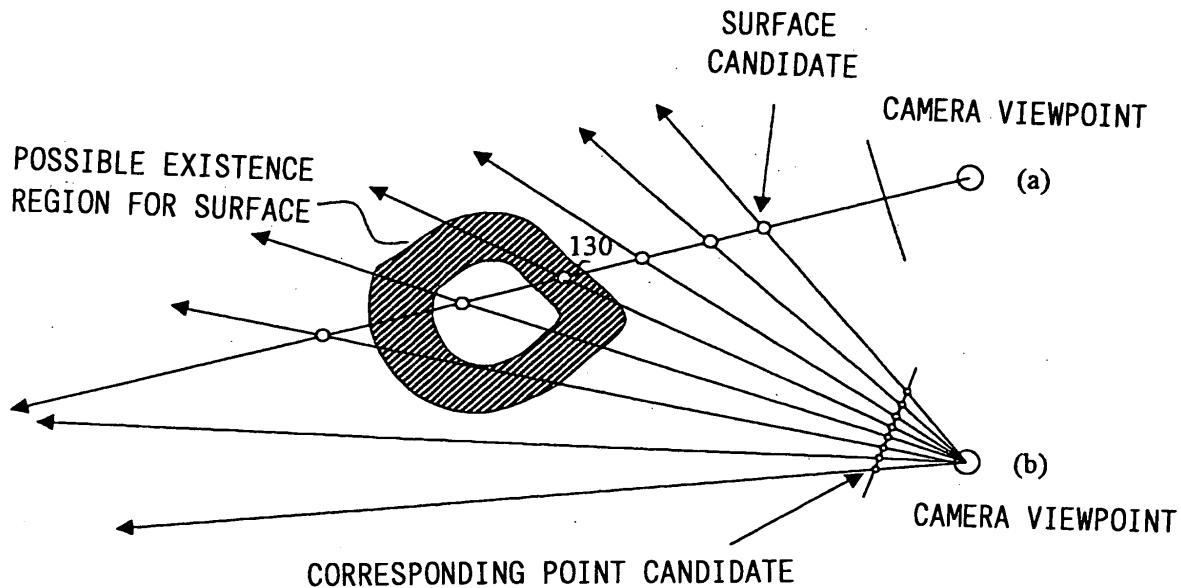


Fig. 13

COORDINATE DATA SECTION FOR VERTICES		
Section vertex		
vertex_no 124		
vid 0	(0.0, 20.0, 43.0)	r=1.0
vid 1	(10.3, 5.2, 133.8)	r=0.5
vid 2	(-20.9, 3.2, 13.9)	r=0.5
vid 3	(-32.1, 30.4, -5.3)	r=1.0
.....		
Section polygon		
DATA SECTION FOR POLYGONS		
polygon_no 196		
pid 0	(0 1 2)	
pid 1	(0 1 3)	
pid 2	(0 2 4)	
.....		

Fig. 14

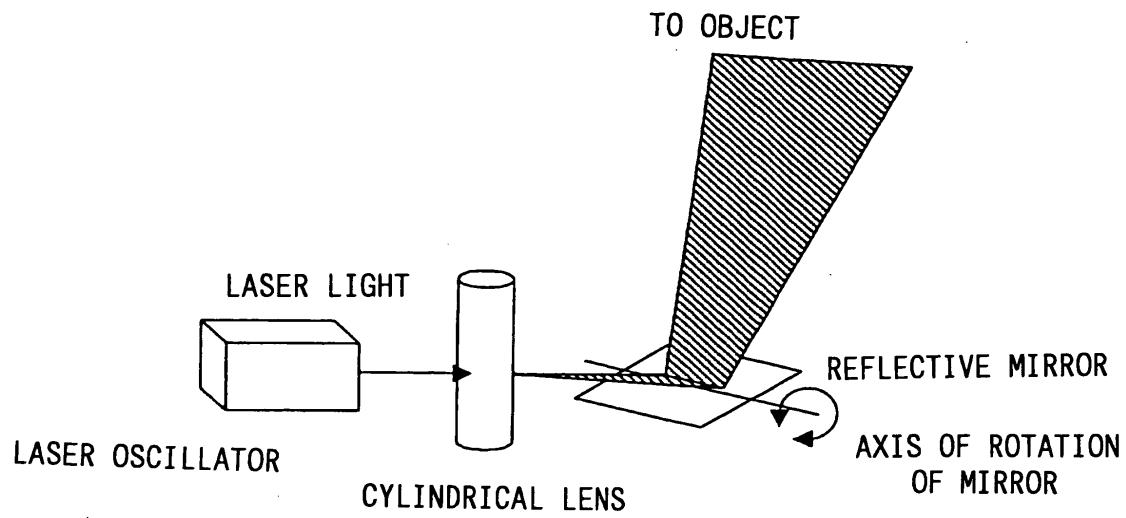


Fig. 15

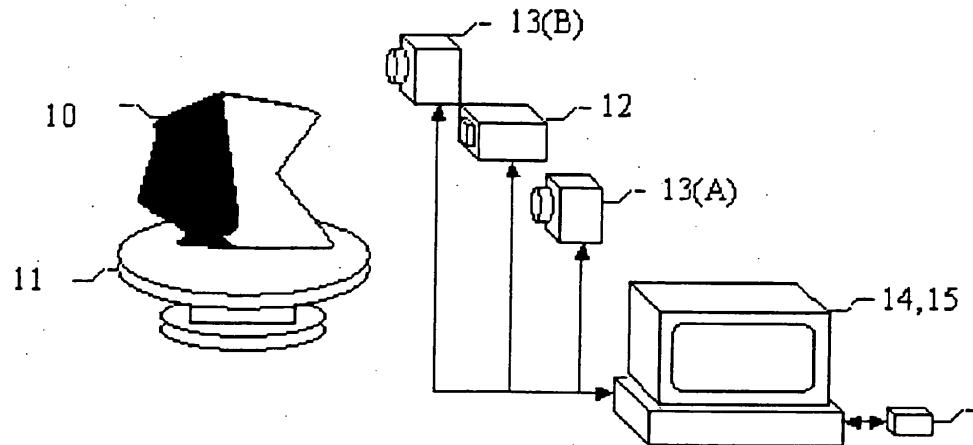
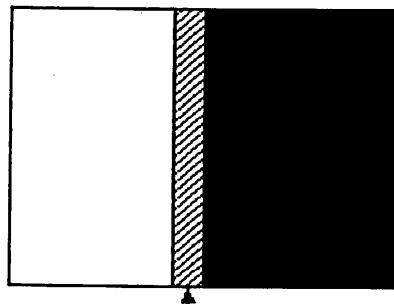
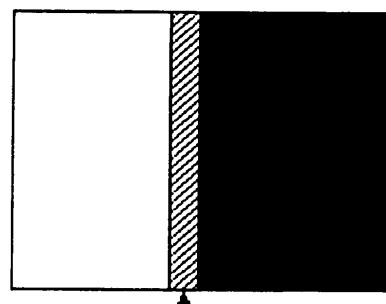


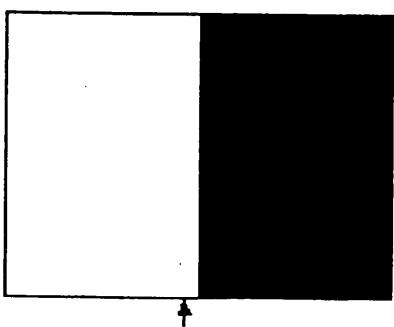
Fig. 16



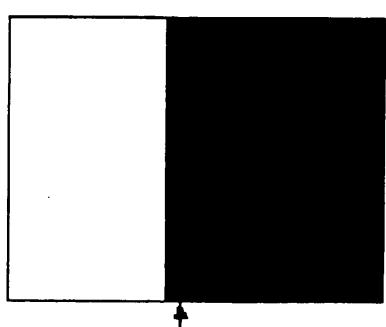
(a1)



(b1)



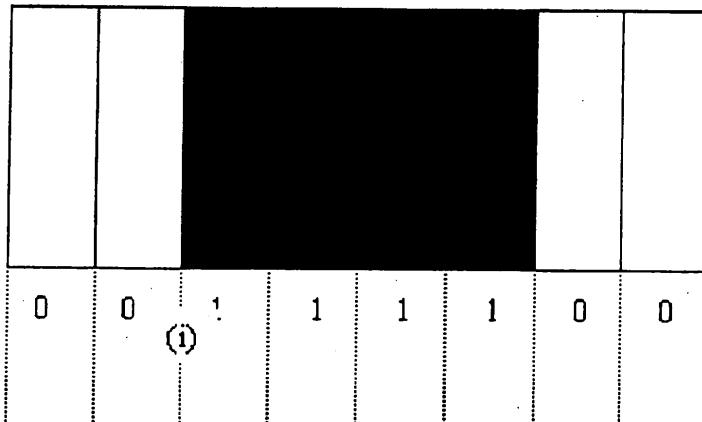
(a2)



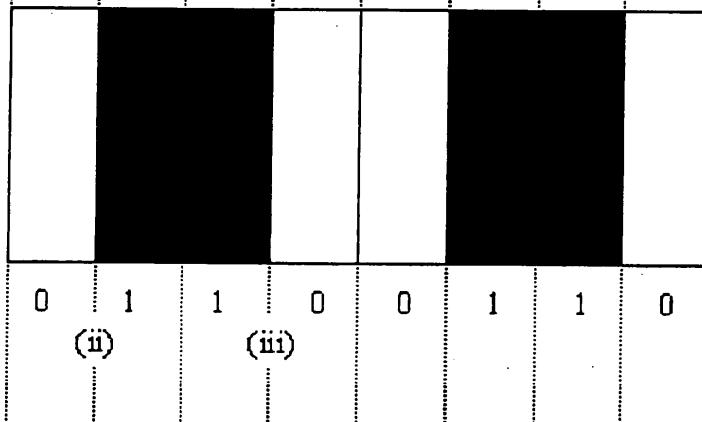
(b2)

Fig. 17

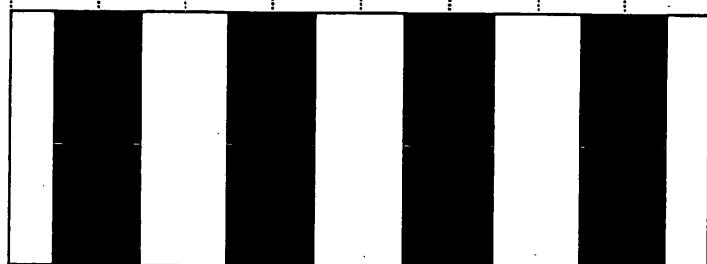
PATTERN A
(MSB)



PATTERN B



PATTERN C
(LSB)



1 0 1 0 1 0 1 0

↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓

SPACE CODE
(DECIMAL)

REPRESENTATION)

1 2 7 4 5 6 3 0

Fig. 18

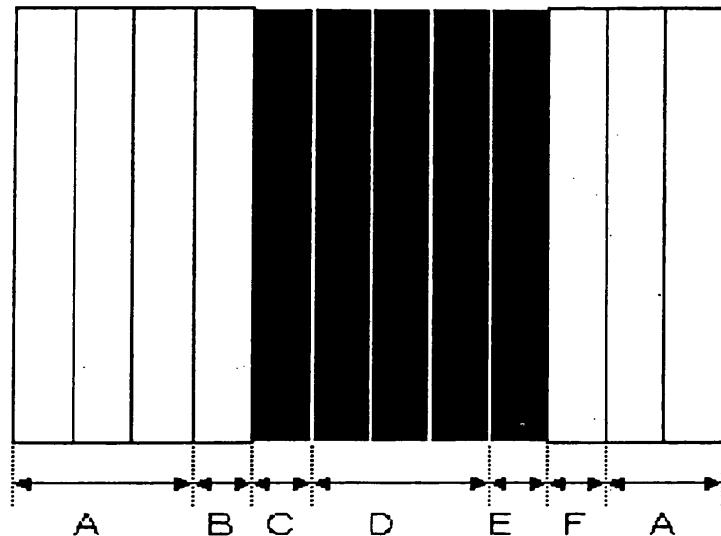


Fig. 19

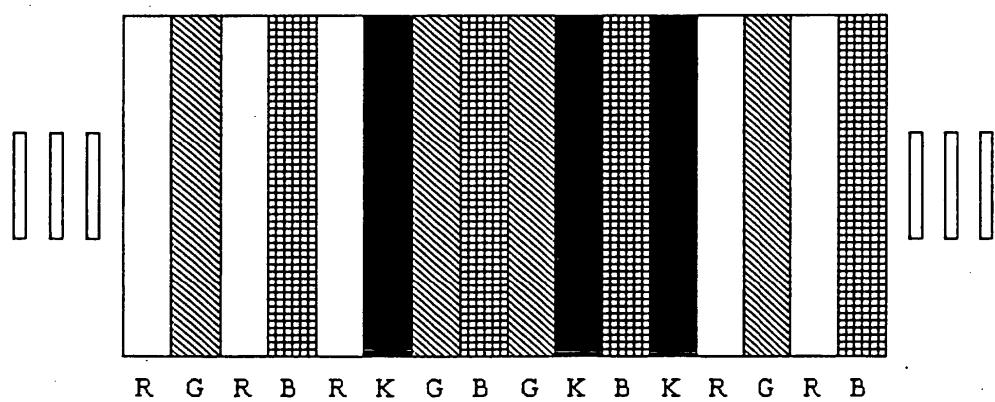


Fig. 20

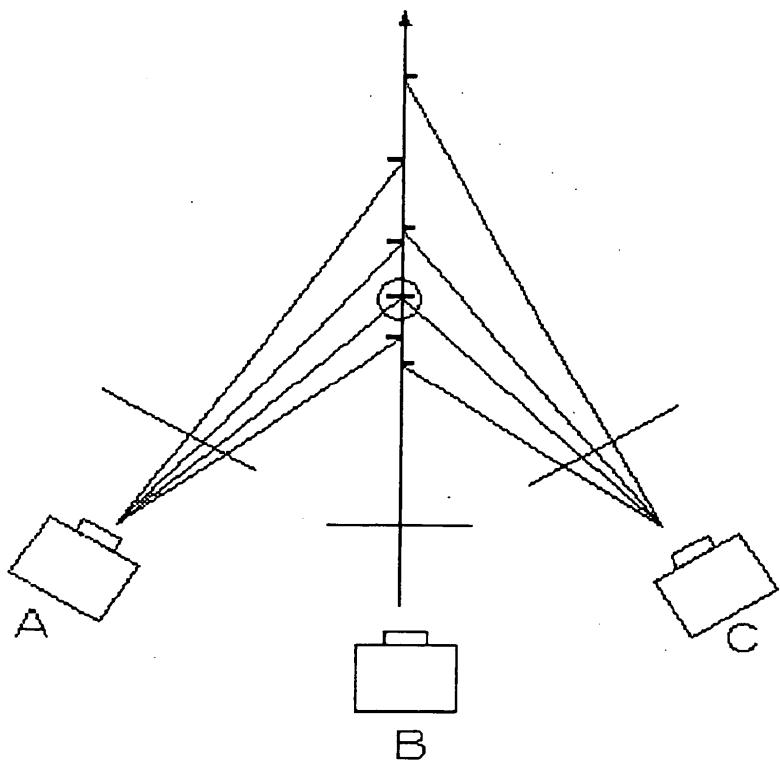


Fig. 21